

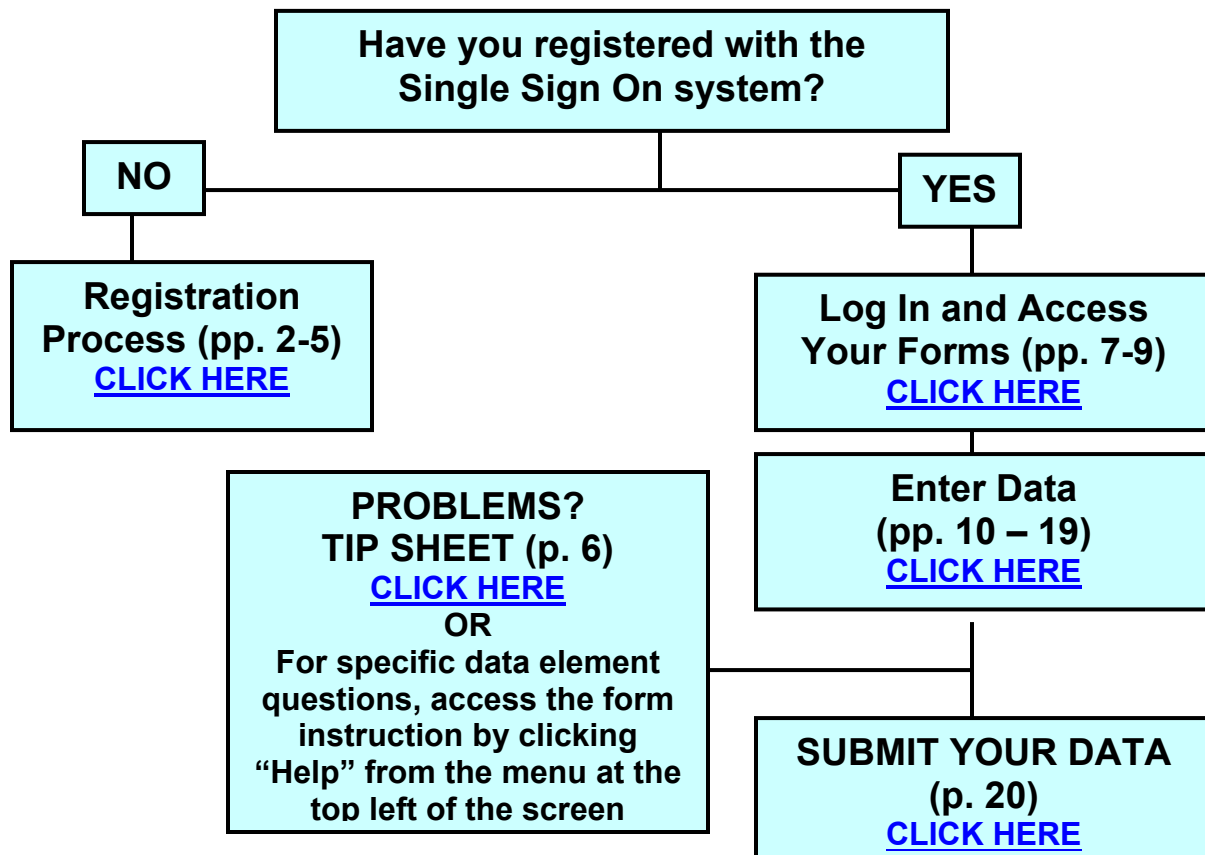
# EIA-860 INTERNET DATA COLLECTION USER GUIDE

## INTRODUCTION

The Energy Information Administration (EIA) instituted an online data collection system, known as the Single Sign-On system, for its electric power surveys in 2001. The goal of the online data collection system is to provide an efficient, accurate, and secure method for respondents to complete and submit data directly to the EIA. An important feature of the Single Sign-On system is the ability for respondents to access multiple survey forms using one convenient set of credentials. In addition, the online collection system informs the respondent of data discrepancies and other important information immediately on-screen, significantly reducing data discrepancy phone calls and greatly improving the accuracy and timeliness of data submissions. The online system also includes built in edit checks and provides feedback identifying the specific schedule, part, and line number of the data in question. This guide will help you register, sign-on, and enter your data into the online system.

## ABOUT THIS GUIDE

The following chart will direct you through the steps covered in this guide



# REGISTERING WITH SINGLE SIGN ON

EIA Single Sign On Login Screen - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Print


Address <https://signon.eia.doe.gov/ssoserver/login> Go Links

Google Search Web Blocking popups

## energy information administration

Welcome to the EIA Single Sign On Login System

All Internet Data Collection applications are unavailable from Saturday at 6:00pm until Sunday at 12:00am  
All Internet Data Collection applications will be unavailable between 8:00 am and 12 Noon on Sunday, May 1, 2005



Userid:

Password:

Logon

[Register for a Userid](#) | [Forgot your password?](#)

[Frequently Asked Questions](#) | [Security and Privacy Statement](#)

If you experience problems logging on, please call 202-586-8959 or send an email to the [User Services Center](#).

If you experience problems while in a coal or electricity survey form, please call 202-287-1333 or send an email to the [CNEAF Help Center](#).

**User Notification**

This is a Federal computer system and is the property of the United States Government. Users have no explicit or implicit expectation of privacy.

With the exception of individually identifiable data or information collected exclusively for statistical purposes under a pledge of confidentiality (i.e. data protected from disclosure by the Confidential Information Protection and Statistical Efficiency Act of 2002, Public Law 107-347), in accordance with applicable law any use of this system and all files on this system may be intercepted, monitored, recorded, copied, audited, inspected, and disclosed to authorized site, Department of Energy, and law enforcement personnel, as well as authorized officials of other agencies both domestic and foreign. By using this system, the

To log-in, enter user ID and password created in registration process. If you have not registered, click here to access the registration screen.

NEXT PAGE



**EIA Single Sign-On Registration**

► Get your Single Sign On identity Date: 09/20/2005

**Please provide some basic contact information:**

\* First Name:

\* Last Name:

\* Phone Number: (  )  -

Phone Extension:

\* Email Address:

**Please choose a userid and password:**

\* Userid:

\* Password:

\* Retype Password:

**Userid Rules:**

- use a minimum of 5 characters
- use alpha-numeric characters and underscores

**Password Rules:**

- use a minimum of 8 characters
- use a special character (one of the first 7 positions)
- use at least one lowercase letter
- use at least one uppercase letter
- use at least one numeric character, but not in the first or last position
- do not use the userid in the password

**Please provide a question and its answer that will help you to access the application if you forget your password. Choose a simple answer that you will be able to remember. Don't put punctuation or unusual spacing in the answer; in fact, a one word answer is best. Do not use the password rules in naming your answer.**

\* Security Question:

\* Your Answer:

**\* Required**

Complete the information on this screen. Click the "Submit" button to continue.

**EIA Single Sign-On Registration**

► Get your Single Sign-On identity Date: 09/20/2005

**Registration Completed**

Your EIA Single Sign-on account has been created.

[LOGIN NOW](#)

This screen indicates that you have completed the registration process. Click "LOGIN NOW" to return to the Login Screen and enter the user ID and password you just created.

EIA Single Sign On Login Screen - Microsoft Internet Explorer


File Edit View Favorites Tools Help

Address <https://signon.eia.doe.gov/ssoserver/login> Go Links

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Userid:

Password:

Logon

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[Frequently Asked Questions](#) | [Security and Privacy Statement](#)

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Enter User ID Here

Enter Password Here

Click here if you forget your password.

EIA Applications and Functions

[Add Coal Survey Reporting Capability](#)

[Add Electricity Survey Reporting Capability](#)

[Add Winter Heating Fuels Telephone Survey Reporting Capability](#)

[Add Voluntary Reporting of Greenhouse Gases Reporting Capability](#)

[Update Your Account Profile](#)

Click this link to add other Electricity Surveys that you are required to file.

The screenshot shows a web browser window with the title "EIA Electricity Survey Registration". The page has a light blue header with the EIA logo on the left and the title in the center. Below the header is a yellow banner with the text "► Add Electricity Survey Reporting Capability" on the left and "Date: 09/20/2005" on the right. The main content area is white and contains the following text: "To register to submit surveys online, please enter your Mail Id and Code in the fields below. If you have not received a Mail Id and Code from EIA, or if you need help, click here." Below this text are two input fields: "Enter your Mail Id:" followed by a text box, and "Enter your Code:" followed by a text box. To the right of these fields are two light blue callout boxes. The first callout box points to the Mail ID field and contains the text: "Enter your Mail ID (provided in e-mail from EIA)". The second callout box points to the Code field and contains the text: "Enter your Code (provided in e-mail from EIA)". Below the input fields are two buttons: "Submit Credentials" and "Cancel / Return to List of Applications". A third light blue callout box points to the "Submit Credentials" button and contains the text: "Click 'Submit Credentials' to continue." At the bottom of the page is a blue box with the word "NOTE" in white, bold letters. Below "NOTE" is a white box with the text: "The Mail ID and Code give you access to the specific surveys that you are responsible for."

**EIA Electricity Survey Registration**

► Add Electricity Survey Reporting Capability Date: 09/20/2005

To register to submit surveys online, please enter your Mail Id and Code in the fields below.  
If you have not received a Mail Id and Code from EIA, or if you need help, [click here](#).

Enter your Mail Id:

Enter your Code:

Submit Credentials Cancel / Return to List of Applications

Enter your Mail ID  
(provided in e-mail from EIA)

Enter your Code (provided  
in e-mail from EIA).

Click "Submit Credentials" to continue.

**NOTE**

The Mail ID and Code give you  
access to the specific surveys that  
you are responsible for.

# EIA-860 TIP SHEET

## I. Schedule 3B, Line 2 and Schedule 3D, Line 2, “Net Capacity”:

DO NOT introduce factors such as availability of energy sources and constraints on transmission when determining the summer capacity and winter capacity to be reported on Form EIA-860. For generators that are out of service for an extended period, on standby, have no generation or no test results for the respective peak periods of the data year, report the estimated capacities based on historical performance as follows: for net summer capacity and net winter capacity of generators that fall into either of the prior mentioned categories, report the capacity of the generator that is generally achievable during the period of June through September and December through March, respectively, based on historical performance or report the best estimate of the capacity that could be achieved if the generator were operated during the respective summer and winter periods.

## II. Schedule 3B, Line 8, Schedule 3D, Line 7, Schedule 3E, Line 2, “Combined Heat and Power”:

A generator is considered to be a combined heat and power (CHP) generator if the heat or steam from the prime mover (e.g., engine, turbine) or boiler is used to drive a generator to produce electricity and is also used for another process such as heating a building, operating machinery, or other industrial process. Producing electricity can be either the primary or secondary objective of the process. Steam that is captured after it passes through the turbine and is then used for heating or perhaps sent to an outside customer is an example of a CHP generator. Likewise, waste heat that is recovered from a boiler that produces steam to run machinery and then redirected to provide electricity is also an example of a CHP generator.

## III. All Schedules: Data Elements Blocked from Update

In the event that a blocked data element requires updating, i.e. grayed data fields, drop down lists, or any other data field that cannot be changed on screen, provide the updated information in Schedule 6, “Footnotes” and include the location of the update using Schedule, Part, and line number (if any) for reference.

## IV. Survey Instructions

For questions regarding specific EIA-860 data fields please refer to the survey instructions. You can access the instructions from any screen by clicking “Help” from the menu at the top left of the screen (see illustration below).

Oracle Developer Forms Runtime - Web

Form EIA-860

Action Edit **Help**

Schedule 1 Schedule 2 Schedule 3AB Schedule 3C Schedule 3D Schedule 3E Schedule 4

U.S. Department of Energy  
Energy Information Administration  
Form EIA-860 (2004)

ANNUAL ELECTRIC GENERATOR  
REPORT

REPORT FOR: 7

REPORTING PERIOD: As of January 1, 2005

SURVEY CONTACT: Person to contact with question about this form.

# LOGGING IN TO THE SYSTEM

EIA Single Sign On Login Screen - Microsoft Internet Explorer


File Edit View Favorites Tools Help

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[Frequently Asked Questions](#) | [Security and Privacy Statement](#)

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Done Internet

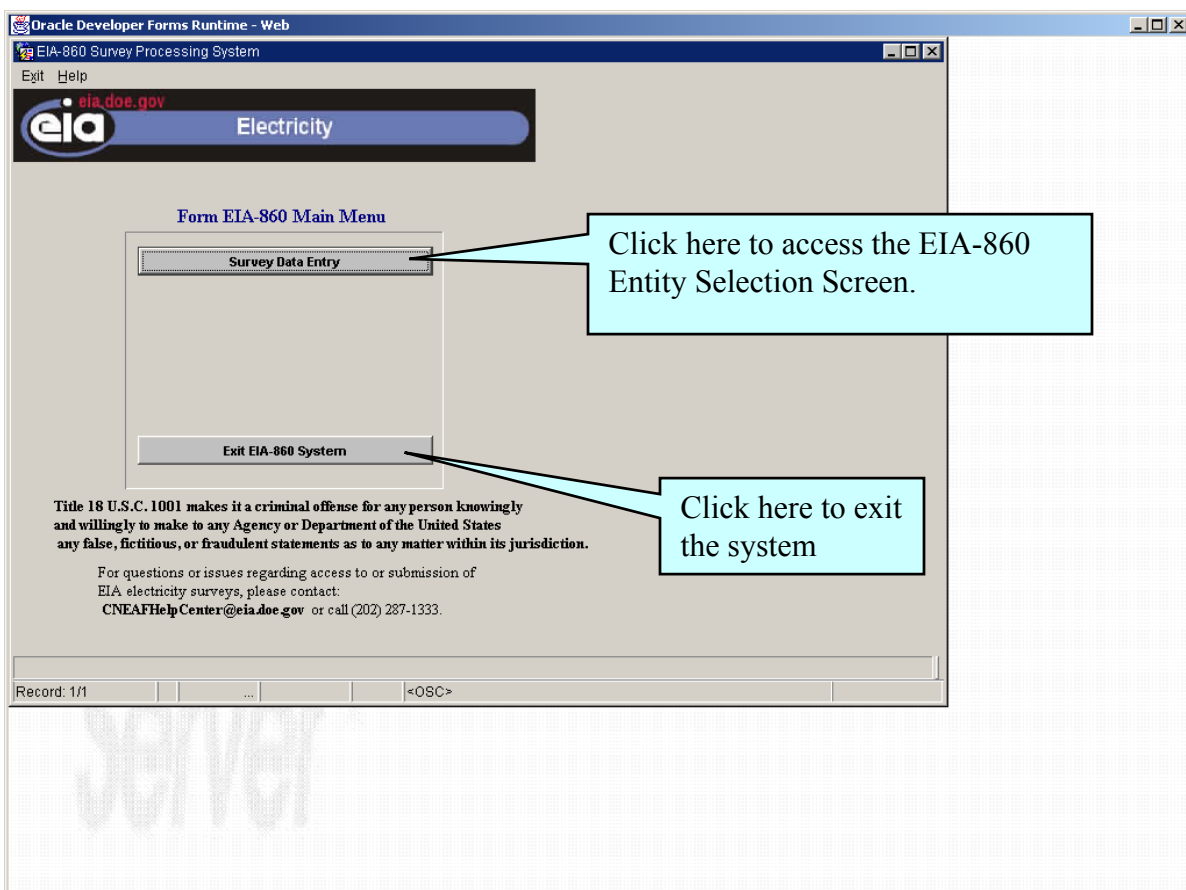
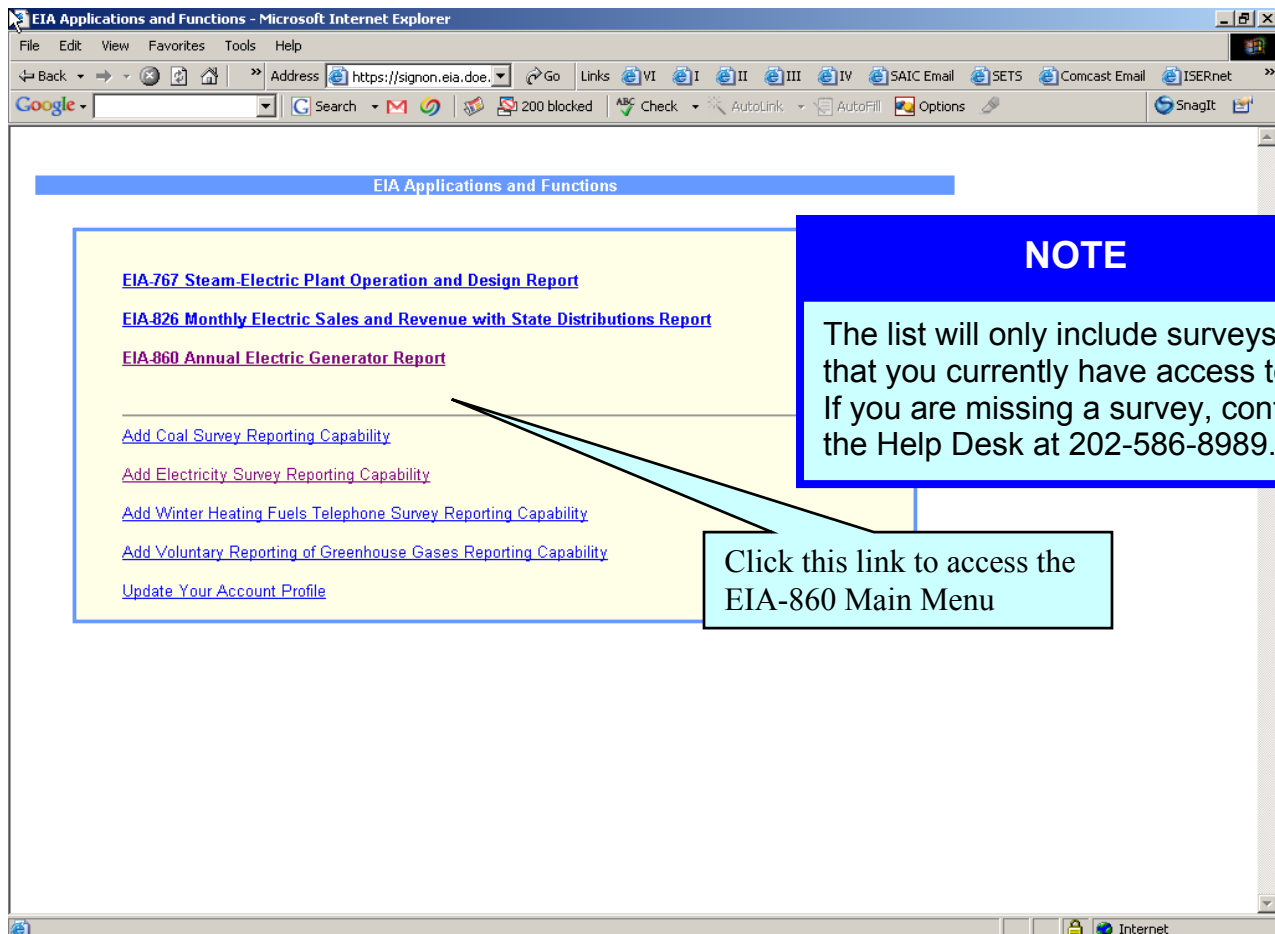
Enter User ID Here

Enter Password Here

Click here if you forget your password.

NEXT PAGE







Oracle Developer Forms Runtime - Web

EIA-860 Survey Data Entry

Action Edit Help

U.S. Department of Energy  
Energy Information Administration  
Form EIA-860

ANNUAL ELECTRIC GENERATOR  
REPORT

Form Approved  
OMB No. 1905-0129  
Approved Expires 11/30/07

EIA-860 Main Access

Utility Id  Year

Utility Name

Mail State

Find %

UTILITY ID	UTILITY NAME	MAIL STATE
7	A E Staley Manufacturing Co	IL
8	Tate & Lyle	IL
20	AES Cypress LLC	VA
21	AES Shady Point Inc	OK
23	A B Energy Inc	CA
24	Nations Energy Holdings LLC	IL
25	AES Greenidge LLC	NY
34	Abbeville City of	SC
35	AES WVR Ltd Partnership	MD
39	AES Hickling LLC	NY
40	Hospira Inc	NY
42	AES Thames LLC	CT
46	AES Hoytdale LLC	PA
52	ACE Cogeneration Co	CA
54	Abitibi Consolidated	CN

Find OK Cancel

Double-click to query system for respondent names, plant names and facility codes. Result of query will populate utility id box with the appropriate value

Respondent Name Query

Plant Name Query

Facility Code Query

EIA-860 Forms Exit

Choose an entity from the dropdown list on this screen and click "OK".

**NOTE**

This list will only include entities that you have access to. If a specific entity that you are responsible for is missing, contact the Help Desk at 202-586-8989.

Oracle Developer Forms Runtime - Web

EIA-860 Survey Data Entry

Action Edit Help

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Energy Information Administration  
Form EIA-860

ANNUAL ELECTRIC GENERATOR  
REPORT

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EIA-860 Main Access

Utility Id  Year

Utility Name

Mail State

EIA-860 Forms Exit

Double-click to query system for respondent names, plant names and facility codes. Result of query will populate utility id box with the appropriate value

Respondent Name Query

Plant Name Query

Facility Code Query

Once entity is selected click here to continue.

Double click within these boxes to search for entities that you have access to by entity name, facility name, or facility code.

## SCHEDULE 1 "General Information"

Oracle Developer Forms Runtime - Web  
Form EIA-860

Action Edit Help

Schedule 1 | Schedule 2 | Schedule 3AB | Schedule 3C | Schedule 3D | Schedule 3E | Schedule 4 | Schedule 5 | Schedule 6 | Error-log

U.S. Department of Energy  
Energy Information Administration  
Form EIA-860 (2004)

ANNUAL ELECTRIC GENERATOR  
REPORT

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OMB No. 1905-0129  
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Click on these tabs to move through schedules

Click on the "Save" icon before moving to the next schedule.

Information in these fields will be pre-filled. Review and make any necessary changes to pre-filled fields. Enter any changes to "Name of Legal Operator" in Schedule 6, "Footnotes".

Contact Last Name

Record: 1/1

<OSC>

## SCHEDULE 2 "Power Plant Data"

Oracle Developer Forms Runtime - Web  
Form EIA-860

Action Edit Help

Schedule 1 | Schedule 2 | Schedule 3AB | Schedule 3C | Schedule 3D | Schedule 3E | Schedule 4 | Schedule 5 | Schedule 6 | Error-log

U.S. Department of Energy  
Energy Information Administration  
Form EIA-860 (2004)

ANNUAL ELECTRIC GENERATOR  
REPORT

Form Approved  
OMB No. 1905-0129  
Approved Expires 11/30/07

REPORT FOR: 99999

REPORTING PERIOD: As of January 1, 2005

SCHEDULE 2. POWER PLANT DATA  
(EXISTING POWER PLANTS AND THOSE PLANNED FOR INITIAL COMMERCIAL OPERATION WITHIN 5 YEARS)

LINE NO. EIA Plant Code Plant Name Street Address County Name City Name / State Zip Code Latitude (Degrees, Minutes, Seconds) Longitude (Degrees, Minutes, Seconds) Enter Datum for Latitude and Longitude; Otherwise Enter "NA" NERC Region NERC Subregion Name Of Water Source (For Purpose of Cooling or Hydroelectric) Primary Purpose of the Plant (North American Industry Classification System Code) For Independent Power Producers, and Combined Heat and Power Producers Only: Enter the electric utility in whose service area the plant is located. If the plant is not connected to the transmission system of this utility, check the "Not Connected to Utility" box.

Click on the "Save" icon before moving to the next schedule.

Click here to review individual generator information for each plant.

Enter Plant ID and click "Find Plant #" to locate a specific Plant.

This information will be pre-filled for existing plants. Review and make any necessary changes.

Use the scrollbar to see more plants.

Click this box if pre-printed data is correct.

NOTE  
To add a missing plant, contact the survey manager at [eia-860@eia.doe.gov](mailto:eia-860@eia.doe.gov)

# SCHEDULE 3 Part A “Generators”, Part B “Existing Generators”, and Energy Sources

## NOTE ON REACTIVE POWER (PART B LINE 3)

This is the reactive power capacity of the generator. Reactive power establishes and sustains the electric and magnetic fields of alternating-current equipment. Reactive power is equal to the vector difference between the apparent power and the real power. The following may be useful as a guideline:

**If the power factor is 0.8, then the reactive power capacity is  $0.75 \times \text{Nameplate rating}$ .**

**If the power factor is 0.85, then the reactive power capacity is  $0.62 \times \text{Nameplate rating}$ .**

**If the power factor is 0.9, then the reactive power capacity is  $0.48 \times \text{Nameplate rating}$ .**

**SAVE**

Use this bar to scroll through multiple generators

Click here to change the sort order of generators.

Check here if pre-filled information is correct

Use these buttons to scroll through plants.

This information will be pre-filled. Review and make any necessary changes. For “locked” fields, contact the survey manager.

**!!!! IMPORTANT NOTE !!!!**

For Schedule 3B, Line 2, “Net Capacity,” **DO NOT** introduce factors such as availability of energy sources and constraints on transmission when determining summer and winter capacity. For generators that are out of service for an extended period, on standby, have no generation or no test results for the respective peak periods of the data year, report the estimated capacities based on historical performance as follows: for net summer capacity and net winter capacity of generators that fall into either of the prior mentioned categories, report the capacity of the generator that is generally achievable during the period of June through September and December through March, respectively, based on historical performance or report the best estimate of the capacity that could be achieved if the generator were operated during the respective summer and winter periods.

For line 17, **Fuel Used for Heat Rate Test**, enter the fuel code or “M” for multiple fuels. Refer to the energy source codes listed on pages 14 and 15 of the survey instructions (located by clicking “Help” at the top left portion of the screen. For generators driven by turbines using steam that is produced from waste heat or reject heat, report the original energy source used to produce the waste heat (reject heat).

## NOTE

For help with specific data elements on this schedule, please refer to the form instructions located by clicking “Help” at the top left portion of the screen.

## SCHEDULE 3 (Con't) Fuel Switching and Co-Firing Capability

Fuel Switching and Co-Firing Capability															
18	<b>Ability to use multiple fuels</b> Does the combustion system that powers this generator have 1) regulatory permits; 2) equipment (including fuel storage facilities) necessary to either co-fire or fuel switch?	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No												
		If No, skip to Schedule 3 Part C.	If No, skip to Schedule 3 Part C.												
19	<b>Ability to Co-Fire</b> <b>Can unit co-fire fuels?</b> (Note: co-firing excludes limited use of alternative fuel for startup or flame stabilization.)	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No												
		If No, skip to line 23	If No, skip to line 23												
20	<b>Fuel Options for Co-Firing</b> Enter codes for up to 6 fuels that can be co-fired	<table border="1" style="width: 100%; text-align: center;"> <tr><td>a</td><td>b</td><td>c</td></tr> <tr><td>d</td><td>e</td><td>f</td></tr> </table>	a	b	c	d	e	f	<table border="1" style="width: 100%; text-align: center;"> <tr><td>a</td><td>b</td><td>c</td></tr> <tr><td>d</td><td>e</td><td>f</td></tr> </table>	a	b	c	d	e	f
a	b	c													
d	e	f													
a	b	c													
d	e	f													
21	<b>Ability to Co-Fire Oil and Gas</b> Can the unit co-fire fuel oil with natural gas?	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No												
		If No, Skip to line 23	If No, Skip to line 23												
22	<b>Ability to Co-Fire Oil</b> a. Can unit run on 100% oil? <b>If Yes, skip to Line 23.</b> <b>If No, what is the:</b> b. Maximum oil heat input (% of MMBtu when co-firing with natural gas)? c. Maximum output (net MW) achievable, when making maximum use of oil and co-firing natural gas?	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No												
23	Can the unit fuel switch? <b>If NO, skip to schedule 3C</b>	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No												
24	<b>Oil - Gas Fuel Switching</b> a. Can unit switch between oil and gas? <b>If No, skip to line 26.</b> <b>If Yes:</b> b. Net summer MW achievable when running on natural gas: c. Net summer MW achievable when running on fuel oil: d. Time required to switch from using 100% natural gas to 100 %Oil (check one box)	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No												
		<input type="radio"/> 0 to 6 hours <input type="radio"/> over 6 to 24 hours <input type="radio"/> over 24 to 72 hours <input type="radio"/> over 72 hours <input type="radio"/> Unknown or uncert...	<input type="radio"/> 0 to 6 hours <input type="radio"/> over 6 to 24 hours <input type="radio"/> over 24 to 72 hours <input type="radio"/> over 72 hours <input type="radio"/> Unknown or uncert...												
25	<b>Regulatory Limits on Oil-Fired Operation:</b> Do pollution control or other regulations limit the operation of this unit when running on 100% oil (eg. limits on # of operating hours per year or maximum allowed MW output)?	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No												
26	<b>Fuel Switching Options</b> Enter codes for up to 6 fuels that can be used as a sole source of fuel for this unit.	<table border="1" style="width: 100%; text-align: center;"> <tr><td>a</td><td>b</td><td>c</td></tr> <tr><td>d</td><td>e</td><td>f</td></tr> </table>	a	b	c	d	e	f	<table border="1" style="width: 100%; text-align: center;"> <tr><td>a</td><td>b</td><td>c</td></tr> <tr><td>d</td><td>e</td><td>f</td></tr> </table>	a	b	c	d	e	f
a	b	c													
d	e	f													
a	b	c													
d	e	f													

This information will be pre-filled. Review and make any necessary corrections.

### NOTE

For help with specific data elements on this schedule, please refer to the form instructions located by clicking "Help" at the top left portion of the screen.


For Line 26, include up to 6 energy sources that may be used as the sole energy source, including the Most Predominant and Second Most Predominant Energy Sources, if each of them can be used as the sole energy source to power to generator.

## SCHEDULE 3 Part C “Proposed Changes to Existing Generators”

### NOTE

Proposed changes include retirements, re-ratings of capability, change of ownership, fuel conversions, repowering, and reactivation of generators. See survey instructions for further details.

Click on the “Save” icon before moving to the next schedule.

To add a generator, place the cursor on the last generator column and click on the “Insert” button  to add a new column.

Oracle Forms Runtime - Web

U.S. Department of Energy  
Energy Information Administration  
Form EIA-860

ANNUAL ELECTRIC GENERATOR  
REPORT

Form Approved  
OMB No. 1905-0129  
Approved Expires 11/30/07

REPORT FOR:  
REPORTING PERIOD: As of January 1, 2005

**PART C. PROPOSED CHANGES TO EXISTING GENERATORS**

LINE	Plant Name / Plant Code	Operator Generator ID	GEN1		
1	Status Code				
2	Generator Nameplate Capacity (MW)				
3	Net Capacity (MW)	Summer			
		Winter			
4	Planned Original Effective Date (MM-YYYY)	0 - 0			
5	Planned Current Effective Date (MM-YYYY)				
6	New Prime Mover Code				
<b>Energy Sources</b>					
7a	Expected Predominant Energy Source				
7b	Will this generator be part of a Solid Fuel Gasification system?	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	
8	Operational Transportation Modes for Predominant Energy Sources (up to 3 codes)				
9	Expected Second Most Predominant Energy Source				
10	Operational Transportation Modes for Second Most Energy Sources (up to 3 codes)				
11	Other Energy Source Options. Enter up to codes in order of expected quantity used (measured in Btus).	a b c d	a b c d	a b c d	
		<input type="checkbox"/> Check if no change to preprinted data on this page.	<input type="checkbox"/> Check if no change to preprinted data on this page.	<input type="checkbox"/> Check if no change to preprinted data on this page.	

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Energy Information Administration  
Form EIA-860

ANNUAL ELECTRIC GENERATOR  
REPORT

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REPORT FOR:  
REPORTING PERIOD: As of January 1, 2005

**PART C. PROPOSED CHANGES TO EXISTING GENERATORS**

This information will be pre-filled. Review and make any necessary corrections.

Check the boxes in this area if no changes are required to the pre-printed data on this schedule

## SCHEDULE 3 Part D "Proposed Generators"

### NOTE

If you need to add a new or missing "proposed" generator, first complete Schedule 3, Part A by entering the appropriate data. To add a blank column, click the "add new generator" button located next to Schedule 3, Part B, and then enter the data. Then complete the data in the appropriate column in Schedule 3, Part D.

Oracle Developer Forms Runtime - Web

Form EIA-860

Action Edit Help

SUBMIT

Schedule 1 Schedule 2 Schedule 3AB Schedule 3C Schedule 3D Schedule 3E Schedule 4 Schedule 5 Schedule 6 Error-log

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REPORT FOR:

REPORTING PERIOD: As of January 1, 2005

**SCHEDULE 3. GENERATOR INFORMATION**  
(EXISTING GENERATORS AND THOSE PLANNED FOR INITIAL COMMERCIAL OPERATION WITHIN FIVE YEARS)

Plant Name / EIA Plant Code		PART D. PROPOSED GENERATORS (Complete One for Each Generator, by Plant)			
LINE NO	Operator Generator ID EIA Generator Code	GEN1			
1	Generator Nameplate Capacity (MW)				
2	Net Capacity (MW) EIA Estimated Capacity (MW)	Summer			
		Winter			
		Summer			
		Winter			
3	Reactive Power Output (MVAR)				
4	Status Code				
5	Planned Original Effective Date (MM-YYYY)				
6	Planned Current Effective Date (MM-YYYY)				
7	Will this generator be associated with a Combined Heat and Power System (fuel input is used to produce both electricity and useful thermal output)?	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No
8	Will this be a Distributed Generator?	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No
Planned Energy Sources					
9a	Expected Predominant Energy Source				
9b	Will this generator be part of a Solid Fuel Gasification system?	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No
10	Operational Transportation Modes for Predominant Energy Source (up to 3 codes)				
11	Expected Second Most Predominant Energy Source				
12	Operational Transportation Modes for Second Most Energy Predominant Source (up to 3 codes)				
13	Other Energy Source Options. Enter up to 4 codes in order of expected quantity used (measured in Btus).	a	b	a	b
		c	d	c	d
14	If Energy Source is Wind Enter the Number of Turbines				

Click on the "Save" icon before moving to the next schedule.

See Schedule 3, Part B for important note on reporting Net Capacity.

This information will be pre-filled. Review and make any necessary corrections.

This schedule continues on next page.

## SCHEDULE 3 Part D “Proposed Generators” Continued – “Combustible Fuel Capability”

Combustible Fuel Capability															
15	<b>Ability to use multiple fuels</b> Will the combustion system that powers the generators have 1) regulatory permits; 2) equipment (including fuel storage facilities), in working order, necessary to either cofire fuels or fuel switch	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Undetermined If No or undetermined, skip to Sch.3 Part E	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Undetermined If No or undetermined, skip to Sch.3 Part E												
16	<b>Ability to Co-Fire</b> <b>Will unit be able to co-fire fuels ?</b> Note: co-firing excludes the limited use of an alternative fuel for startup or flame stabilization	<input type="radio"/> Yes <input type="radio"/> No If NO, skip to line 20	<input type="radio"/> Yes <input type="radio"/> No If NO, skip to line 20												
17	<b>Fuel Options for Co-Firing</b> Enter codes up to six fuels that can be co-fired	<table border="1" style="width: 100%; text-align: center;"> <tr><td>a</td><td>b</td><td>c</td></tr> <tr><td>d</td><td>e</td><td>f</td></tr> </table>	a	b	c	d	e	f	<table border="1" style="width: 100%; text-align: center;"> <tr><td>a</td><td>b</td><td>c</td></tr> <tr><td>d</td><td>e</td><td>f</td></tr> </table>	a	b	c	d	e	f
a	b	c													
d	e	f													
a	b	c													
d	e	f													
18	<b>Ability to Co-Fire Oil and Gas</b> Will the unit be able to co-fire oil with natural gas?	<input type="radio"/> Yes <input type="radio"/> No If NO, skip to line 20	<input type="radio"/> Yes <input type="radio"/> No If NO, skip to line 20												
19	<b>Ability to Co-Fire Oil</b> a. Will the unit be able to run on 100% oil? <b>If Yes, skip to Line 20</b> <b>If No, what is:</b> b. Maximum oil heat input when co-firing with Natural Gas (% of MMBtus) c. Maximum output achievable, when making maximum use oil and co-firing natural gas? (Net MW)	<input type="radio"/> Yes <input type="radio"/> No <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	<input type="radio"/> Yes <input type="radio"/> No <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>												
20	<b>Ability to Fuel Switch</b> Will the unit be able to switch fuel?	<input type="radio"/> Yes <input type="radio"/> No If No, skip to Sch. 3 Part E	<input type="radio"/> Yes <input type="radio"/> No If No, skip to Sch. 3 Part E												
21	<b>Oil - Gas Fuel Switching</b> a. Will the unit be able to switch between oil and gas? <b>If No, skip to line 23. If Yes:</b> b. Expected net summer MW achievable running on natural gas: c. Expected net summer MW achievable running on fuel oil:  d. Expected time to switch this unit from using 100 % natural gas to 100% oil	<input type="radio"/> Yes <input type="radio"/> No <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	<input type="radio"/> Yes <input type="radio"/> No <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>												
22	<b>Regulatory limits on Oil Fired Operation</b> Will pollution control regulations limit the operation of this unit when running on 100% oil (eg. limits on the number of operating hours per year or maximum allowed MW output)?	<input type="radio"/> Yes <input type="radio"/> No If No, skip to line 23	<input type="radio"/> Yes <input type="radio"/> No If No, skip to line 23												
23	<b>Fuel Switching Options</b> Enter codes for up to 6 fuels that can be used as sole source of fuel for this unit	<table border="1" style="width: 100%; text-align: center;"> <tr><td>a</td><td>b</td><td>c</td></tr> <tr><td>d</td><td>e</td><td>f</td></tr> </table>	a	b	c	d	e	f	<table border="1" style="width: 100%; text-align: center;"> <tr><td>a</td><td>b</td><td>c</td></tr> <tr><td>d</td><td>e</td><td>f</td></tr> </table>	a	b	c	d	e	f
a	b	c													
d	e	f													
a	b	c													
d	e	f													
		<input type="checkbox"/> Check if no change to preprinted data on this page.	<input type="checkbox"/> Check if no change to preprinted data on this page.												

This information will be pre-filled. Review and make any necessary corrections.

Check the boxes in this area of no changes are required to the pre-printed data on this schedule

### NOTE

For help with specific data elements on this schedule, please refer to the form instructions located by clicking “Help” at the top left portion of the



## SCHEDULE 3 Part E “FERC Generators Status”

### NOTE

Schedule 3, Part E should only be completed for **non-utility qualifying generators that have Qualifying Facility Status** with the Federal Energy Regulatory Commission.

Click on the “Save” icon before moving to the next schedule.

This information will be pre-filled. Review and make any necessary corrections.

Check the boxes in this area of no changes are required to the pre-printed data on this schedule

U.S. Department of Energy Energy Information Administration Form EIA-860 (2004)	ANNUAL ELECTRIC GENERATOR REPORT	Form Approved OMB No. 1905-0129 Approved Expires 11/30/07
REPORT FOR: .		
REPORTING PERIOD: As of January 1, 2005		
SCHEDULE 3. GENERATOR INFORMATION		
PART E. FEDERAL ENERGY REGULATORY COMMISSION GENERATORS STATUS		
Plant Name		
EIA Plant Code		
LINE NO.	(a) GENERATOR STATUS (b) Federal Energy Regulatory Commission Docket Number (AP for Application Pending, N/A for Not Applicable)	
Complete One Section for Each Generator, by Plant		
Operator Generator Identification:	GEN1	
1 Is this Generator a FERC Qualifying Facility or a FERC Qualifying Wholesale Generator? If NO, check the "No" box and skip lines 2 through 5 for this generator. If YES, check the "Yes" box and complete lines 2 through 5 for this generator.	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No
2 Combined Heat and Power Producer	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No
3 FERC Qualifying Cogenerator	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No
4 FERC Qualifying Small Power Producer	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No
5 FERC Qualifying Exempt Wholesale Generator	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No
	<input type="checkbox"/> Check if no change to preprinted data on page.	<input type="checkbox"/> Check if no change to preprinted data on page.



## SCHEDULE 4

### “Ownership of Generator Owned Jointly or by Others”

Oracle Developer Forms Runtime - Web  
Form EIA-860  
Action Edit Help

SUBMIT

Schedule 1 | Schedule 2 | Schedule 3AB | Schedule 3C | Schedule 3D | Schedule 3E | **Schedule 4** | Schedule 5 | Schedule 6 | Error-log

U.S. Department of Energy Energy Information Administration Form EIA-860 (2004)		ANNUAL ELECTRIC GENERATOR REPORT		Form Approved OMB No. 1905-0129 Approved Expires 11/30/07	
REPORT FOR: [REDACTED]					
REPORTING PERIOD ENDING: As of January 1, 2005					
<b>SCHEDULE 4. OWNERSHIP OF GENERATOR OWNED JOINTLY OR BY OTHERS</b>					
PLANT NAME (a) [REDACTED]					
EIA PLANT CODE (b) [REDACTED]					
OPERATOR'S GENERATOR IDENTIFICATION (c) [REDACTED]					
EIA GENERATOR CODE (d) [REDACTED]					
IF JOINTLY OWNED - OWNER NAME AND CONTACT INFORMATION (d)					(Check if no change to Preprinted Data)
Joint Owner 1: Name	[REDACTED]	List Owner Names	% OWNED (e):	[REDACTED]	<p>Data on this screen should be pre-printed. Click this box if no changes are necessary to the pre-printed information. See below if changes are required.</p> <p>Enter percent ownership</p>
Street Address	[REDACTED]		EIA CODE:	[REDACTED]	
City, State, Zipcode	[REDACTED]				
Joint Owner 2: Name	[REDACTED]	List Owner Names	% OWNED (e):	[REDACTED]	
Street Address	[REDACTED]				
City, State, Zipcode	[REDACTED]				
Joint Owner 3: Name	[REDACTED]	List Owner Names			
Street Address	[REDACTED]				
City, State, Zipcode	[REDACTED]				
Joint Owner 4: Name	[REDACTED]	List Owner Names			
Street Address	[REDACTED]				
City, State, Zipcode	[REDACTED]				
Joint Owner 5: Name	[REDACTED]	List Owner Names			
Street Address	[REDACTED]				
City, State, Zipcode	[REDACTED]				
<div style="display: flex; justify-content: space-between;"> <span>Copy Ownership Info from</span> <span>Generator: [REDACTED]</span> </div>					

NOTE

If owner name does not exist in the drop-down list, provide owner legal name, mailing address, and contact information in Schedule 6, Footnotes.

Click on the “Save” icon before moving to the next schedule.

Data on this screen should be pre-printed. Click this box if no changes are necessary to the pre-printed information. See below if changes are required.

Enter percent ownership

If changes or additions are required on this screen, click this box for a dropdown list of available entity names.

## SCHEDULE 5

### “New Generator Interconnection Information”

Oracle Developer Forms Runtime - Web  
Form EIA-860  
Action Edit Help

SUBMIT

Schedule 1 | Schedule 2 | Schedule 3AB | Schedule 3C | Schedule 3D | Schedule 3E | Schedule 4 | Schedule 5 | Schedule 6 | Error-log

U.S. Department of Energy Energy Information Administration Form EIA-860		ANNUAL ELECTRIC GENERATOR REPORT		Form Approved OMB No. 1905-0129 Approved Expires 11/30/07	
REPORT FOR: REPORTING PERIOD ENDING: As of January 1, 2005					
SCHEDULE 5. NEW GENERATOR INTERCONNECTION INFORMATION (Complete for each generator entering service during Calendar Year 2004)				Record 1 of 1	
1	Plant Name / Code				
2	Operator Generator ID				
3	EIA Generator Code				
4	Date of Actual Generator Interconnection (mm-yyyy)				
5	Date of Initial Interconnection Request (mm-yyyy)				
6	Interconnection Site Location (Nearest City or Town, State) City State				
7	Grid Voltage at the Point of Interconnection (kV)				
8	Owner of the Transmission or Distribution Facilities to which Generator is Interconnected				
9	Total Cost Incurred for the Direct, Physical Interconnection (Thousand \$)				
10	Equipment Included in the Direct Interconnection Cost (Check all of the following that apply)				
	a. Transmission or Distribution Line	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	
	b. Transformer	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	
	c. Protective Devices	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	
	d. Substation/Switching Station	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	
	e. Other Equipment (specify in Sch. 6, Footnotes)	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	
11	a. Total Cost for Other Grid Enhancements/Reinforcements Needed to Accommodate Power Deliveries from Gen. (Thousand \$)				
	b. Will this Cost be Repaid?	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	
12	Were specific Transmission Use Rights Secured as a result of the Interconnection Costs Incurred?				
		<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	

Click on the “Save” icon before moving to the next schedule.

Use this bar to scroll through multiple generators

### NOTE

For help with specific data elements on this schedule, please refer to the form instructions located by clicking “Help” at the top left portion of the screen.



## SUBMITTING YOUR DATA

The screenshot shows a web-based data entry interface. At the top, there is a navigation bar with several tabs: "e 3E", "Schedule 4", "Schedule 5", "Schedule 6", and "Error Log". The "SUBMIT" button is located in the upper right area of the form, highlighted by a red circle. Below the navigation bar, there is a table with two columns. The left column contains the text "ATOR". The right column contains the text "Form Approved", "OMB No. 1905-0129", and "Approved Expires 11/30/07". The bottom portion of the form is a large, empty rectangular area for data entry.

**When you have finished entering data onto the form and all errors on the Error Log have been corrected or overridden, you may submit your data by clicking the “SUBMIT” button located at the upper right portion of any data entry screen. A message will appear confirming your submission. Your data will be sent immediately to EIA for processing. This will complete your EIA-860 Data submission for the current year.**